

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
PATENT APPLICATION

5     Entitled :   THE USE OF CASEIN PEPTIDES FOR TREATING  
                  HYPERTENSION

          Inventors : Jérôme TAUZIN, Laurent MICLO,  
                      Catherine LEFRANC, Jean-François BOUDIER,  
10                   Jean-Luc GAILLARD

          Assignee :

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ABSTRACT OF THE DISCLOSURE

          The invention relates to the use in the preparation  
of medicines having activity of the antihypertensive  
20     type, useful for treating or preventing hypertension, of  
one or more peptides having inhibiting activity on ACE  
with IC<sub>50</sub> values of the order of or less than 60  $\mu$ M,  
selected from the group of peptides having the following  
amino acid sequences:

25           Thr-Val-Tyr (SEQ ID No.: 1)  
            Asn-Met-Ala-Ile-Asn-Pro-Ser-Lys (SEQ ID No.: 2)  
            Phe-Ala-Leu-Pro-Gln-Tyr (SEQ ID No.: 3)  
            Phe-Pro-Gln-Tyr-Leu-Gln-Tyr (SEQ ID No.: 4)  
            Phe-Ala-Leu-Pro-Gln-Tyr-Leu-Lys (SEQ ID No.: 5)  
30           Asn-Met-Ala-Ile-Asn-Pro (SEQ ID No.: 6)  
            Phe-Ala-Leu-Pro (SEQ ID No.: 7).

          The invention also relates to a pharmaceutical  
composition containing as its active principle an  
effective quantity of one or more of the above-cited  
35     peptides in combination with a pharmaceutically  
acceptable vehicle. The invention also relates to a food  
product, in particular suitable for supplementing the

diet of people subject to hypertension or seeking to prevent the appearance thereof, containing an effective quantity of one or more of the above-cited peptides, in combination with food supports, in particular proteins, lipids, or carbohydrates. Such a food product may also include at least one of the peptides having the following amino acid sequences:

Ala-Leu-Asn-Glu-Ile-Asn-Gln-Phe-Tyr-Gln-Lys (SEQ ID No.: 8)

Ala-Leu-Asn-Glu-Ile-Asn-Gln-Phe-Tyr (SEQ ID No.: 9)  
Tyr-Leu (SEQ ID No.: 10).